

Certificate of Analysis



Product Fetal Bovine Serum, Collected in South America, sterile-filtered
Cat .No. AB-FBS-0500(500 ml),AB-FBS-0100(100ml)
Lot No. AB20180213E

Expiry Date 02/2023
Storage $\leq -15^{\circ}\text{C}$

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8- 8.2	7.4	
Osmolality ⁽¹⁾	280- 340	310	mOsm/kg
Endotoxin ⁽²⁾	< 20 EU/ml	< 2,0	EU/ml
Hemoglobin	≤ 25	6.12	mg/dl
Glucose	As reported	3.60	mM
Calcium	As reported	3.25	mM
Phosphorous	As reported	2.66	mM
GOT/AST	As reported	45	U/l
LDH	As reported	560	U/l

Protein Profile

Total Protein ⁽³⁾	3.0- 4.5	3.9	g/dl
Albumin ⁽⁴⁾	As reported	1.9	g/dl
IgG	≤ 250	160.58	mg/ml

Sterility Testing

Bacteria and Fungi	Not detected	Not detected
Mycoplasma ⁽⁵⁾	Not detected	Not detected

Virus Testing⁽⁶⁾

Bovine Herpes Virus (BHV-1 and BHV-5)	Not detected	Not detected
Pestivirus (e.g. BVD-V)	Not detected	Not detected
Parainfluenza Virus Type 3 (PI-3)	Not detected	Not detected

Biological Performance

Cell Growth MDCK (Canine Kidney Epithelial Cell Line) ⁽⁷⁾	$\geq 75\%$	98 %
Cell Growth L929 (Murine Fibroblasts) ⁽⁷⁾	$\geq 75\%$	99 %

References/Methods

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| (1) Freeze Point Depression | (5) Cell Culture |
| (2) Chromokinetic Test | (6) Cytopathic Effect in cell Culture and ELISA |
| (3) Biuret Colorimetry | (7) Growth Promoting Assay |
| (4) Immunoturbidimetry | |

Intended Use: For research use only.

Date: February 24,2018

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